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ABSTRACT

The career education project for the Washoe County Schools, Nevada, was conducted from January, 1972, until August, 1973, for the 30,000 pupils in the district. The project had five goals: (1) expand the present career awareness program in the elementary grades, (2) expand the exploratory programs in the junior high grades, (3) establish a vocational "cluster" program in the senior high grades, (4) improve guidance and counseling service at all grade levels, and (5) establish a placement service to place all students in either a job, a post-secondary occupational training program, or a baccalaureate program. The five general goals were subdivided into nineteen specific objectives. activities undertaken and completed in sixteen of the nineteen objectives included visits to other program sites, development of classroom materials, teacher workshops, literature searches, development of assessment procedures, and other related activities. A third party evaluator concluded that the activities were generally well organized and developed involvement and interest in career education. The guidance and counseling component at the elementary and high school levels was the least rewarding project effort. The evaluator considered an important outcome to be the placing of the person employed by the project under regular contract with instructions to continue the program. (AG)

ED 089016

FINAL REPORT

Project No. V2610251
Grant No. OEG-0-72-0751

RESEARCH AND DEVELOPMENT PROJECT IN CAREER EDUCATION

Conducted Under
Part C of Public Law 90-576

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Vocational, Technical & Adult Education Branch
State Department of Education
Carson City, Nevada 89701

CE 001 054

FINAL REPORT

Project No. V2610251
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RESEARCH AND DEVELOPMENT PROJECT IN CAREER EDUCATION

Conducted Under
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The project reported herein was performed pursuant to a grant from the Bureau of Adult, Vocational and Technical Education, Office of Education, U. S. Department of Health, Education and Welfare. Grantees undertaking such projects under Government sponsorship are encouraged to express freely their professional judgment in the conduct of the project. Points of view or opinions stated do not, therefore, necessarily represent official Office of Education position or policy.

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SUMMARY:

Time Period: 1/10/72 to 8/30/73

Goals and Objectives:

1.0 Expansion of the present career awareness program in the elementary grades.
- 1.1 Study career education research literature and on-going programs relevant to elementary students.
- 1.2 To familiarize elementary children with a variety of occupations.
- 1.3 To train teachers in the use of approaches, techniques and materials to increase career awareness.
- 1.4 To expand use of career awareness concepts to all elementary schools.

2.0 Expansion of the exploratory programs in the junior high (middle) grades.
- 2.1 To install "World of Manufacturing" and "World of Construction" in all junior high (middle) schools.
- 2.2 To institute a one-semester required Career Exploratory course in all junior high schools.
- 2.3 To study career education literature and on-going program relevant to 6-8 graders.
- 2.4 To increase career exploration in middle school grades.
- 2.5 To train teachers in techniques to increase career exploration in their classrooms.
- 2.6 To assess the effects of the career explorations in grades 6-8.

3.0 Establishment of vocational "cluster" program in the senior high grades.
- 3.1 To develop a minimum of two vocational cluster programs in four high schools.
- 3.2 To study career education literature and on-going programs.
- 3.3 To increase career training skills in high schools.
- 3.4 To train teachers in techniques to increase career skill training.
- 3.5 To assess the effects of efforts in career training on high school curriculum.

4.0 Improvement of guidance and counseling service at all grade levels.
- 4.1 To increase knowledge of career education and ability of school personnel to apply this in counseling situations.
- 4.2 To conduct a model career guidance program at all grade levels.

5.0 Establishment of a placement service to insure the placement of all existing students in either a job, a post-secondary occupational training program or a baccalaureate program.
- 5.1 To establish a student placement office in the Washoe County Schools.
- 5.2 To provide curriculum committees with relevant career education information.

PROCEDURE:

Based on the identified goals and objectives, a detailed plan to achieve these was developed. Since, in fact, this project was an integrated part of the overall efforts in career education in the district, the plan was the district plan. The activities identified included site visitations, teacher and counselor workshops, seminars and institutes. The project developed 30 minutes of video tape to be used in training counselors and teachers on decision making (how does a student go about selecting a career?).

Although teaching materials were developed, the strong emphasis of the project was on personnel. The attempt was made to influence personnel attitudes along with their understanding and knowledge of career education concepts.

RESULTS - ACCOMPLISHMENTS:

The project set forth five general goals with nineteen specific objectives. Detailed plans and procedures were designed around specific activities that would result in the accomplishment of the goals and objectives. During the project, activities were undertaken and completed in sixteen of the nineteen objectives. The activities addressed all five of the goals.

In two of the three objectives that were not met, definite plans and/or procedures were developed for implementation in the 1963-64 school year. Planning has been underway to meet the third unmet objective as well.

In undertaking and engaging in the project activities, specific accomplishments have resulted. They include: (No priority intended.)

- An awareness of career education by district educators, students, parents and patrons.
- The inclusion of career education in the curriculum of all 5th and 6th grades in 37 schools in the district.
- An expansion of career awareness in grades 3 and 4 to four schools from two and introduction of career awareness in grades K-2 at one school.
- The inclusion of World of Construction and World of Manufacturing at two middle schools and the trial of World of Construction at a third.
- The opportunity for 432 school personnel to attend workshop and inservice seminars that provide information about and procedures for career education implementation. (The number of personnel would be several times higher if the spin off inservice session held at individual schools that were a result of the project inservice efforts were included.)
- The opportunity for 92 district educators to visit, observe and question career education programs operating in three other states at six sites.
- The development of career education materials for classroom guidance and use designed specially for Washoe County Schools.

- The opportunity for all guidance and counseling personnel in the district to attend sessions that dealt with their specific roles and functions as they relate to career education.
- The development of specific job market information for the area.
- The development of information on student employment during and after completing school.
- The development of cluster programs in two high schools and the opportunity of personnel in all high schools to become familiar with the concept.
- The development of video tape to be used in future training of personnel in decision situations which include career decisions.

EVALUATION:

Third party evaluation of the project indicated that the project staff did implement and conduct the proposed activities. The activities were generally well organized and developed involvement and interest in career education. The evaluation indicates that cluster program implementation has been deterred by crowded conditions in high schools which will not be alleviated until a new high school is opened in 1974.

In the evaluation report, the evaluator indicated the guidance and counseling component had not achieved optimal results at the elementary and high school levels. It did indicate that junior high counselors were taking leadership in career orientation and exploration.

The evaluator indicated that the project outcome that was most impressive and important was the firm, continued commitment to personnel employed during the project to continue the program after the project period.

PROJECT PROBLEM AREA:

The basic problem on which the project was formed was the expansion and development of career education materials and concepts in the elementary, middle and high schools of Washoe County. The project was integrated in the overall efforts of the district in the area of career education and was not a separate or isolated project. Funds obtained in this grant contributed less than 10% of the total funds budgeted during the project period for career education development within the district.

The district had earlier moved into the provision of career education opportunities in project SAVE (Sequential Approach to Vocational Education). This project focused primarily at the elementary and nigh school student. The elementary focus was on student career awareness and the development of positive career concepts among the elementary teachers.

The high school focus was on the development of skills and career employment experience in actual occupational settings.

Project PACER (Potentials for Achievement Through Career Exploration and Review) is another segment of the integrated program in career education in Washoe County Schools. It is focused on the junior high level. Exploration of careers in the basic concept addressed.

The Part C Project was incorporated with these two projects. This allowed for a more comprehensive development of the elementary, junior high, high school, guidance and placement components of the project.

GOALS AND OBJECTIVES:

The goals of the integrated program and this project in career education were:

1.0 Expansion of the present career awareness program in the elementary grades.

2.0 Expansion of the exploratory programs in the junior high grades.

3.0 Establishment of vocational "cluster" program in the senior high grades.

4.0 Improvement of guidance and counseling service at all grade levels.

5.0 Establishment of a placement service to insure the placement of all existing students in either a job, a post-secondary occupational training program or a baccalaureate program.

For each of these goals, specific objectives were identified; they are as follows:

1.0 Elementary Goal

1.1 Study career education research literature and on-going programs relevant to elementary students.

1.2 To familiarize elementary children with a variety of occupations.

1.3 To train teachers in the use of approaches, techniques and materials to increase career awareness.

1.4 To expand use of career awareness concepts to all elementary schools.

2.0 Junior High (Middle School) Goals

2.1 To install "World of Manufacturing" and "World of Construction" in all junior high (middle) schools.

2.2 To institute a one semester required Career Exploratory course in all junior high schools.

2.3 To study career education literature and on-going program relevant to 6-8 graders.

2.4 To increase career exploration in middle school grades.

2.5 To train teachers in techniques to increase career exploration in their classrooms.

2.6 To assess the effects of the career explorations in grades 6-8.

3.0 Senior High Schools

3.1 To develop a minimum of two vocational cluster programs in four high schools

3.2 To study career education literature and on-going programs.

3.3 To increase career training skills in high schools.

3.4 To train teachers in techniques to increase career skill training.

3.5 To assess the effects of efforts in career training on high school curriculum.

4.0 Guidance & Counseling

4.1 To increase knowledge of career education and ability of school personnel to apply this in counseling situations.

4.2 To conduct a model career guidance program at all grade levels.

5.0 Placement

5.1 To establish a student placement office in the Washoe County Schools.

5.2 To provide curriculum committees with relevant career education information.

PROJECT DESCRIPTION - PROCEDURE - ACCOMPLISHMENTS

The project has been conducted in the Washoe County Schools of Nevada. This district operates the public education system for the entire county of Washoe which is located in the northwest part of the State of Nevada. The total population of the county is about 150,000. Minority groups compose about 6.5 percent of the population. Most of the families are in the middle income category with about 8.5 percent of the families with incomes below the poverty level.

Washoe County covers an area of 3,366 square miles. It is diverse in geographical makeup, including the northern part of Lake Tahoe at high elevations, ranch areas and meadowland and other desert and mountainous terrain.

This county has two main cities - Reno and Sparks. There are also five (5) smaller towns in the county. The county school district operates elementary schools in all five (5) of these towns and also operates junior and senior high schools at two of them - Gerlach and Incline. The school district operates K-14 programs in the cities of Reno and Sparks.

Tourism contributes the most to the economy of the county, with an estimated twelve (12) million visitors in 1970. Industrial growth has been directed to compliment tourist centered and recreational activities with warehousing, manufacturing, transportation and agriculture all contributing to the economy.

The Washoe County School District has 30,000 pupils enrolled in K-12 as of September 1973. Vocational-career education programs are operated in six senior high schools, four junior high schools and thirty-seven elementary schools.

The District Board of Trustees have officially adopted the following policy statement and position description on career education. It has been within these bounds and towards these ends that the project has striven.

WASHOE COUNTY SCHOOL DISTRICT POLICY ON CAREER EDUCATION

The goal is for the Washoe County School District to develop a comprehensive system of Career Education Programs and Services. This system should serve the career education needs of the youth and adults of our community. This system of Career Education and Services should provide every learner the opportunity to develop the following:

1. Competencies necessary for living and earning a living.

2. Development of appropriate attitudes toward work and the worth of the worker.

WASHOE COUNTY DISTRICT POSITION ON CAREER EDUCATION

It is the position of the Washoe County Board of Trustees that Career Education is needed by and intended for all people. It is a lifelong development process which extends from early childhood through adulthood and is based upon the premise that all work and purposeful study is respectable. It is responsive to public demand for both relevance and accountability.

Career Education

1. Represents a core around which other school experiences are organized and made meaningful.

2. Provides job information and skill development, helping students develop proper attitudes regarding the personal, physiological, social and economic significances of work.

3. Is a sequentially-developed, comprehensive education program offering opportunities for career orientation and exploration; plus job preparation for all learners.

Components of this sequentially-developed education program should be designed to insure development of student characteristics at approximate key grade levels. For example:

1. By grade 6 the learner should understand the concept of work, and should appreciate the values of work and of workers, and be familiar with a wide variety of occupations.

2. By grade 8 the learner should be familiar with the broad families of occupations (clusters); and be aware of the prerequisites for employment in various fields. The learner should also understand how progress is made from one occupational level to another.

3. By grade 11 the learner should be able to assess his own potential and participate in making informed decisions regarding his immediate educational and occupational goals.

4. By grade 12 the learner should be able to choose and plan the next step in his occupational and/or educational career.

5. Adults and out-of-school youth will have lifelong access to Career Education programs for new training, retraining and upgrading their career skills.

A variety of methods to (1) train teachers in career education concepts, (2) provide career education materials in the classroom, (3) provide students with career conepts and (4) provide career experiences to students.. These included for teachers: workshops, visitations to other programs, newsletters and specialized staff assistance.

Available published materials and literature were screened and introduced into classrooms. When commercial materials were not available, materials and curriculum development were undertaken. A listing of developed materials is included in the appendix.

Students have been provided with career concepts through regular classroom instruction, the use of speakers from a variety of occupations and the use of field trips to allow them to observe firsthand what certain careers are all about.

Work experience has been provided along with career skill development at the high school level. District personnel working with the community have been able to place students in career choice situations to both help them make more firm career decisions and to provide a better base for future career patterns.

From the project proposal description, a comprehensive program plan was developed to implement the project. For each component area it identified the specific objectives and described the activities that would be undertaken to achieve that objective. Following is a description of the activities and accomplishments by objective for each component of the project.

ELEMENTARY COMPONENT

	Component Objectives	Planned Activity	Accomplishments
1.1	Study career education research literature and ongoing programs relevant to elementary students.	Search pertinent literature and visit other program sites.	Subscriptions to current publications dealing with career education concepts are maintained and reviewed. Site and program visitations were made to programs in Oregon, Arizona and California by a total of 92 educators working with career education.
1.2	To familiarize elementary children with a variety of occupations.	Develop classroom materials, educational strategies, and methods for their use.	A manual "World of Work" was developed by the district in 1969 that covers 1-6 grades. An outline for updating and revision of this manual has been completed. The manual includes activities, evaluational tools and utilization information. A news letter of current information and new ideas was published periodically in the 1972-73 school year.
1.3	To train teachers in use of approaches, techniques and materials to increase career awareness.	Conduct Inservice Workshops with teachers	Elementary workshops on career awareness were conducted for 280 teachers. The workshops introduced career education concepts, use of materials and district procedures in implementation of the career education position of the district
1.4	To expand use of career awareness concepts to all elementary schools.	Meetings with schools, supplying of materials and workshops for teachers.	In grades 5 and 6 materials and training have been supplied to increase World of Work program from 2 to 37 schools. In grades 3 and 4, expansion was from 2 to 4 schools. In K-2 awareness was introduced into one school.

MIDDLE SCHOOL COMPONENT

	Component Objectives	Planned Activity	Accomplishments
2.1	To install "World of Manufacturing" and "World of Constudction" in all junior high schools.	Installation of "World" programs.	"World of Manufacturing" and "World of Construction" classes are being taught at two junior high schools. The "World of Manufacturing" class is being taught at one high school. One jr. high initiated and dropped the "World of Construction program.
2.2	To institute a one semester required Career Exploratory course in all junior high schools	Meet with teachers and administrators, provide material and offer teacher workshops.	Twelve teacher workshops were held for the development of curriculum at the jr. high leve Approximately 50 teachers attended. A booklet on Career Exploration was produced for future incorporation into jr. high curriculums.
2.3	To study career education literature and on-going programs relevant to 6-8 graders.	To study career education literature and on-going programs relevant to 6-8 grades.	Oregon program personnel made reports at a teacher institute workshop on programs in Wash. Co. & Springfield, Ore.
2.4	To increase career exploration in middle school grades.	Meet with teachers and administrators, provide material and offer teacher workshops.	Twelve teacher workshops were held for the development of curriculum at the jr. high leve Approximately 50 teachers attended. A booklet on Career Exploration was produced for future incorporation into jr. high curriculums.
2.5	To train teachers in techniques to increase career exploration in their classrooms.	Conduct inservice workshops with teachers.	This activity is planned for the future but has not been conducted at this time.
2.6	To assess the effects of the career explorations in grades 6-8.	Develop assessment procedures which may include instrumentation, observation, etc.	This activity is planned for the future but has not been conducted at this time.

SENIOR HIGH COMPONENT

	Component Objectives	Planned Activity	Accomplishments
3.1	To develop a minimum of two vocational cluster programs in four high schools.	Meetings with teachers and principals. Selection of appropriate cluster programs. Development of cluster program materials. Provide for training in cluster use.	Meetings were held with teachers and principals at which clusters were investigated. Cluster programs were developed in four high schools including health occupations, business and home economics. One high school developed a program cluster in 4 trade and technical areas along with business and home economics for 9th & 10th graders. Utilization procedures were a part of the cluster developments.
3.2	To study career education literature and on-going programs.	Search pertinent literature and visit other programs.	Subscriptions to current publications dealing with career education concepts are maintained and reviewed. Site and program visitations were made to programs in Oregon, Arizona and California by a total of 92 educators working with career education.
3.3	To increase career training skills in high schools.	Develop instructional techniques. Provide necessary materials.	A listing of developed materials is included in the appendix. In addition, commercial materials were provided. Instructional techniques were included with the materials developed.
3.4	To train teachers in techniques to increase career skill training.	Conduct inservice workshop with teachers.	One high school held a cluster development program to increase career skills. In the spring of 1973 special session on career education were conducted during the county-wide teacher institute day. An institute for 152 teachers, counselors and administrators was conducted over a six day period.
3.5	To assess the effects of efforts in career training on high school curriculum.	Develop assessment procedures which may include instrumentation, observation, etc.	Activity planned for this area was not completed.

GUIDANCE AND COUNSELING COMPONENT

	Component Objectives	Planned Activity	Accomplishments
4.1	To increase knowledge of career education and ability of school personnel to apply this in counseling situations.	Conduct workshops which include information on: a. Career development theory b. The SAVE program c. Appreciation for dignity of work d. The schools responsibility in life time careers	Conducted two (2) Administrators Conferences, Summer 1972 and 1973, which included all WCSD counselors as participants. Conducted an EPDA Project workshop which included counselors as participants. Conducted one special workshop on "Decision Making" at Reno Senior High School for all high school and jr. high school counselors.
4.2	To conduct a model career guidance program at all grade levels.	Develop a systems approach of a cyclic nature. Develop behavior objectives in terms of career guidance criteria. Identify realistic program objectives. Develop evaluative feedback system.	Developed 30 minutes of videotape presentations to be used in inservice education for counselors and teachers to teach the decision-making process in working with students

PLACEMENT COMPONENT

Component Objectives	Planned Activity	Accomplishments
5.1 To establish a student placement office in the Washoe County Schools.	Coordinate student placement activities.	Set up the beginning of a job opening/placement referral system to process requests from employers to the appropriate high school CVE teacher-coordinator
	Survey all industries and businesses for full and part-time job availability.	Conducted a study and completed a final report entitled, "Job Market Analysis."
5.2 To provide curriculum committees with relevant career education information.	Review placement history.	Conducted and completed two surveys to review placement history in the district "Student Employment Survey" and "Job Placement Information Questionnaire."
	Follow-up on students.	Conducted a mail questionnaire entitled, "Follow-up Survey of Former Vocational Students." Tabulation of data has not been completed.
	Develop recommendations.	On May 8, 1973 the Career Education Center presented the results of the surveys mentioned to the Washoe County School District Board of Trustees, indicating that they provide information on actual employment of high school students and on further opportunities for their employment as a student and after graduation, thus providing basis for program recommendation pertinent to career education.

Associated with the implementation of the project and its activities was the establishment of a Research and Development Department in the Washoe County School District. Personnel expenditures of this project support, in part, the Director of the department. The Research and Development Director assumed on-site administration of this project and worked cooperatively with all aspects of the career education curriculum development.

EVALUATION REPORT

CAREER EDUCATION PROJECT NO. V361009L

RESEARCH AND DEVELOPMENT

PROJECT IN CAREER EDUCATION

WASHOE COUNTY SCHOOL DISTRICT

Nevada State Department
of Education
Vocational-Technical and
Adult Education Branch

Department of Health,
Education and Welfare
U. S. Office of Education

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INTRODUCTION

The program conducted by the Washoe County School District under the funds granted by the U.S. Office of Education under Section 131(a) of Part C of Public Law 90-576 was limited to $15,000. While this amount was small in comparison to the overall budget of the District, its impact was great. These funds were used to provide personnel for planning and supervision of implementation of the plans within the District. This two-fold thrust was concerned with five major components: (1) Elementary; (2) Junior High; (3) High School; (4) Placement; and (5) Guidance and Counseling.

PROJECT ACTIVITIES

Elementary Component

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Objectives

1. Study career education research literature and ongoing programs relevant to elementary students.
2. To familiarize elementary children with a variety of occupations.
3. To train teachers in use of approaches, techniques, and materials to increase career awareness.
4. To expand use of career awareness concepts to all elementary schools.

Activities

Searches were made of pertinent literature. Visits were made to classroom sites in California, Oregon, and Arizona.

Classroom guides were developed and distributed to all elementary teachers, grades 5 and 6. Partial involvement was effected with teachers, grades K-14, with planning to expand to all schools in these grades.

Evaluation

Through examination of teacher logs and the activity log of the Elementary Coordinator, Mr. Jim Ringer, it was found that constant follow-up and assistance was available to the teachers. A series of in-service workshops were presented to all fifth and sixth grade teachers. These were well organized. Through personal observation of several of these workshop sessions, high teacher interest involvement and interest is assured.

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Junior High Component

Objectives

1. To install "World of Manufacturing" and "World of Construction" in all junior high schools.
2. To institute a one-semester required Career Exploratory Course in all junior high schools.
3. To study career education literature and ongoing programs relevant to 6-8 graders.
4. To increase career exploration in middle school grades.
5. To train teachers in techniques to increase career exploration in their classrooms.
6. To assess the effects of the career explorations in grades 6-8.

Activities

A task force of junior and senior high school teachers, counselors, and administrators was organized and met with project personnel to develop the Career Exploratory Course for all junior highs.

Evaluation

The project provided leadership and cohesion to the planning necessary to get off the ground in the critical middle school level of career education. High interest was shown at the task force meetings. The District has made preparations to implement the plans of this task force into the ongoing District program.

High School Component

Objectives

1. To develop a minimum of two vocational cluster programs in four high schools.
2. To study career education literature and ongoing programs.

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3. To increase career training skills in high schools.

4. To train teachers in techniques to increase career skill training.

5. To assess the effects of efforts in career training on high school curriculum.

Activities

The meetings were held to select clusters to be developed in the District. Literature was searched and visitations were made to other career education programs.

Evaluation

At the present writing, the District has not made a final selection on clusters to be adopted. One reason for the delay is the opening of a new high school in 1974 which will afford an expansion of the present course offerings which have been limited to some extent by the crowded conditions in the high schools.

Placement Component

Objectives

1. To establish a student placement office in the Washoe County schools.

2. To provide curriculum committees with relevant career education information.

Activities

A needs assessment of the business and industrial community of Washoe County was completed by District personnel.

A coordinated placement effort was made by Cooperative Education personnel and a reorganization is being made of the Adult and Vocational Education activities.

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Evaluation

This important facet of career education has not been neglected. The efforts made by the District indicate that the administration is aware of the problems and is taking positive steps to resolve them.

Guidance and Counseling Component

Objectives

1. To increase knowledge of career education and ability of school personnel to apply this in counseling situations.
2. To conduct a model career guidance program at all grade levels.

Activities

Conducted workshops on:

1. Career development theory;
2. The Exemplary Program SAVE (Sequential Approach to Vocational Education) in which the District participated; and
3. Developing the schools' responsibility in life-time careers.

Evaluation

In the opinion of the evaluator, this has been one of the least rewarding efforts of the project yet one that holds the most potential; least rewarding in the fact that the District has a limited elementary guidance program and that the high school counselors are still engrossed in whatever high school counselors do--the greatest potential in that the junior high counselors are taking active leadership roles in the orientation and exploration planning of career education in the junior high schools.

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CONCLUSION

It is difficult to pinpoint the total positive effect that this project has had on career education in the Washoe County schools. The project funds were concentrated in employing personnel to serve as a catalyst. How many of the outcomes would have been achieved without this person is difficult to assess. However, the outcomes achieved during the life of this project are impressive as this report shows.

The most important and impressive outcome in the opinion of the evaluator is that the Washoe County School District has placed the person employed by this project under a regular school contract with instructions to continue the program and, if possible, expand the District's activities in career education.

CONCLUSIONS - IMPLICATIONS

In the implementation of new programs and educational concepts, different approaches have been tried. One is to develop complete packages prior to the general introduction into the schools. Another is to introduce and train teachers on the philosophy behind a program or concept so implementation can precede or parallel material development.

This second approach was used in the Washoe County Schools implementation of career education. Through site visitations, teacher workshops, institutes and seminars educators were exposed to the ideas, concepts and atittudes related to career education. Materials are being developed and obtained concurrently.

Much of the activity with teachers, guidance personnel and administrators was made possible through grant funds, part of which were from this project. As the grants expire, these funds are no longer available at the same level. It is presently the feeling of those in career education in the district that the personnel training approach used will provide the most positive long term gains.

Instead of teachers having a great amount of packaged materials to use and little knowledge of their conceptual base, our teachers have a fairly comprehensive conceptual base. This allows them to be more individualized and creative in their approach to career education. They can utilize their present materials and, thus, materials do not become the limiting factor.

Although not sufficient time has passed to positively say the personnel approach will provide long term changes, it presently appears to have been a proper decision. The majority of schools are continuing the career education stress even without the financial incentives the project funds provided.

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
OFFICE OF EDUCATION
WASHINGTON, D. C. 20202

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NOTIFICATION OF GRANT AWARD

(Single Signature)

VENDOR NUMBER: 600334

1. NAME AND ADDRESS OF INSTITUTION (No., Street, City, State, and ZIP Code)

State Board for Vocational Education
State Department of Education
Carson City, Nevada

2. GRANT NUMBER: OEG-0-72-0751

3. PROJECT NUMBER: V261025L

4. AMOUNT: $ NO CHANGE

5. PERIOD OF GRANT (Month, Day, Year)
FROM: UNCHANGED THROUGH: 8-30-73

6. MAKE CHECKS PAYABLE TO:

SAME AS ABOVE

7. GRANT AWARD IS (Check one)
A. ☐ NEW B. ☒ REVISED #1

8. PROPOSAL TITLE

Research and Development Project in Career Education

9. SCOPE OF WORK AND/OR SPECIAL CONDITIONS

The performance period is hereby extended through August 30, 1973 as requested by Grantee's letter of June 8, 1973 to Dr. Sidney C. High, Jr. signed by R. Courtney with no additional cost to Federal Government. Such letter is incorporated and made a part hereof by reference. All other terms and conditions remain uncharged.

RECEIVED
JUN 25 1973
Vocational Education Branch

10. GRANT AUTHORITY: P.L. 90-576, Title I, Part C, Sec 131(a) APP. 7520273 CAN 2001319

APPROVED

11. NAME OF GRANTS OFFICER (Please type): Otis Roberts

12. DATE: JUN 18 1973

13. SIGNATURE OF AUTHORIZED GOVERNMENT OFFICIAL

Otis Roberts

OE FORM 5-10-1 (REV. 7-69) PREVIOUS EDITION OBSOLETE

APPENDIX - A.

Department of Health, Education, and Welfare

Grant No. OEG-0-72-0751

NAME AND ADDRESS OF GRANTEE INSTITUTION	TRANSACTION NO	DATE OF THIS REPORTING PERIOD
State Board for Vocational Education State Department of Education Carson City, Nevada 89701	INSTITUTIONAL ID NO 600334	FROM 1/10/72 TO 8/30/73 PROJECT PERIOD FROM 1/10/72 TO 8/30/73 ☐ CHECK IF FINAL REPORT

1. Expenditures of DHEW Funds for this Report Period

a. Personnel	$ 11,850.00	h. Alterations and renovations	
b. Consultant services	4,000.00	i. Other	
c. Equipment			
d. Supplies		j. Total direct costs	15,850.00
e. Travel, domestic		k. Indirect costs: Rate ____ % ☐ S&W ☐ TDC	
f. Travel, foreign		Base $ ____	
g. Patient care costs		l. TOTAL	$ 15,850.00

2. Expenditures from Prior Periods (previously reported)	
3. Cumulative Expenditures	15,850.00
4. Total Amount Awarded - Cumulatively	15,850.00
5. Unexpended Balance (Item 4 less Item 3)	-0-
6. Unliquidated Obligations	-0-
7. Unobligated Balance (Item 5 less Item 6)	-0-
8.a. Cost Sharing Information - Grantee Contribution This Period	187,200.00
b. % of Total Project Costs (Item 8a divided by total of Items 1 and 8a)	% 9.2
9.a. Interest/Income (enclose check)	-0-
b. Other Refundable Income (enclose check)	-0-

10. Remarks

Project period extended from June 30 to August 30 as per notice dated June 18, 1973 and included in exhibits.

I hereby certify that this report is true and correct to the best of my knowledge, and that all expenditures reported herein have been made in accordance with appropriate grant policies and for the purposes set forth in the application and award documents.

Mark Riley — 8/30/73

SIGNATURE OF INSTITUTION OFFICER — DATE

HEW 489 (REV. 9/67)

REPORT OF RESEARCH GRANT EXPENDITURES

BUDGET BUREAU NO. 122-R0174

LIST OF MATERIALS PRODUCED

1. EVALUATION REPORT ON THE WASHOE COUNTY SCHOOL DISTRICT INSERVICE SEMINARS - November 1972.

2. JOB MARKET ANALYSIS - Reno - Sparks, Summer 1972.

3. HEALTH OCCUPATIONS CURRICULUM

    1. Orientation (10th grade)
    2. First Year (11th grade)
    3. Second Year (12th grade)

4. ORIENTATION TO HEALTH CURRICULUM GUIDES - For grades 10, 11 and 12.

    1. Phase I - Orientation to Health Occupation Curriculum Guides
    2. Phase II - Beginning Health Occupation Curriculum Guides
    3. Phase III - Advanced Curriculum Guides and Health Occupation

5. ADMINISTRATOR'S GUIDE TO CAREER AWARENESS

6. WORLD OF WORK MANUAL

7. WORLD OF WORK ACTIVITY BOOK

8. MIDDLE SCHOOL - CAREER EDUCATION (PACER)

APPENDIX - C.